

**WHAT IS CLAIMED IS:**

1           1.       An information handling system comprising:  
 2           a housing having a fan opening;  
 3           plural processing components disposed in the housing and operable to process  
 4           information;  
 5           a fan coupled to the housing at the fan opening and operable to flow cooling  
 6           air across the processing components;  
 7           an airflow shroud disposed in the housing and having an air channel extending  
 8           from the fan opening to one or more selected processing components  
 9           and an opening proximate the selected processing components, the  
 10          airflow shroud operable to direct cooling air to flow across the selected  
 11          processing components; and  
 12          a fan coupled to the airflow shroud at the opening proximate the selected  
 13          processing components, the fan aligned to flow cooling air at the  
 14          selected processing components.

1           2.       The information handling system of Claim 1 further comprising a  
 2           finger guard coupled to the airflow shroud at the airflow shroud opening.

1           3.       The information handling system of Claim 1 wherein the fan coupled  
 2           to the airflow shroud aligns to flow air substantially perpendicular to the selected  
 3           processing components to provide impingement cooling.

1           4.       The information handling system of Claim 3 wherein the selected  
 2           components comprise memory.

1           5.       The information handling system of Claim 3 wherein the selected  
 2           components comprise a CPU.

1           6.       The information handling system of Claim 1 further comprising a  
 2           hinge rotationally coupling the airflow shroud to the housing, the airflow shroud

3 rotating to a substantially perpendicular position that exposes the selected processing  
4 components.

1 7. The information handling system of Claim 1 further comprising a fan  
2 mount proximate the airflow shroud fan opening and operable to releasably couple the  
3 fan to the airflow shroud.

1 8. The information handling system of Claim 7 wherein the fan mount  
2 comprises a pair of parallel rails on opposing sides of the airflow shroud fan opening,  
3 the rails extending from the airflow shroud and operable to engage the fan by sliding  
4 the fan between the rails.

1 9. The information handling system of Claim 8 further comprising:  
2 a fan electrical connector extending from the fan and operable to accept power  
3 to operate the fan; and  
4 an airflow shroud electrical connector operable to provide power to the fan,  
5 the airflow shroud electrical connector aligned to couple with the fan  
6 electrical connector upon sliding of the fan between the rails.

1 10. A method for cooling an information handling system component, the  
2 method comprising:  
3 providing a primary cooling airflow across the component with a primary fan,  
4 the primary fan associated with an opening in the housing of the  
5 information handling system;  
6 directing the primary cooling airflow to the component with a shroud that  
7 forms an air channel between the component and the housing opening;  
8 and  
9 providing a secondary cooling airflow at the component with a secondary fan,  
10 the secondary fan coupled to an opening in the shroud proximate the  
11 component.

1           11.     The method of Claim 10 wherein providing a secondary cooling  
2     airflow further comprises removably mounting the secondary fan to the shroud at the  
3     shroud opening.

1           12.     The method of Claim 10 further comprising:  
2             removing the secondary fan from the shroud while the information handling  
3             system is operating; and  
4             replacing the secondary fan with another secondary fan by mounting the  
5             replacement secondary fan to the shroud at the shroud opening while  
6             the information handling system is operating.

1           13.     The method of Claim 10 wherein the secondary airflow is substantially  
2     perpendicular to the primary airflow.

1           14.     The method of Claim 10 further comprising mounting a finger guard to  
2     the shroud across the shroud opening.

1           15.     The method of Claim 10 wherein the component comprises a central  
2     processing unit.

1           16.     The method of Claim 10 wherein the component comprises memory.

1           17.     An airflow shroud for directing cooling air flow through an  
2     information handling system having heat-producing components, the airflow shroud  
3     comprising:

4             a housing forming a channel operable to direct a primary airflow between an  
5             opening in the information handling system and a component of the  
6             information handling system, the housing having an opening formed  
7             proximate the component; and  
8             a fan mounted on the housing at the opening, the fan aligned to direct a  
9             secondary airflow through the opening at the component.

1           18.    The airflow shroud of Claim 17 further comprising a finger guard  
2    mounted on the housing across the opening between the fan and the component.

1           19.    The airflow shroud of Claim 16 further comprising:  
2           a fan mount integrated with the housing at the opening and operable to  
3           releasably mount the fan to the housing.

1           20.    The airflow shroud of Claim 19 wherein the fan mount comprises:  
2           parallel rail disposed on opposing sides of the opening and aligned to engage a  
3           fan slid between the rails; and  
4           an electrical connector extending from the housing, the electrical connector  
5           aligned to couple with a fan electrical connector and operable to  
6           provide power to the fan.